**2014-15 Pre-Calculus ~ 3rd Quarter Syllabus & Homework Assignments**

**NOTE:**  This syllabus is subject to change

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| **A Day** | **Topic** | **Assignments** |
| 1/22 | 4.8 Solving Problems w/Trig. | pg. 431; 1-11, 16, 22, 27, 29,3 1 |
| 1/27 | Review | pg. 439; 1-63 odd, 77-81 odd |
| 1/29 | **Chapter 4 Test** |  |
| 2/2 | 5.1 Fundamental Identities | pg. 451; 9 - 67 odd |
| 2/4 | 5.2 Proving Trig. Identities | pg. 460; 5-35 odd |
| 2/6 | 5.3 Sum and Difference Identities | pg. 468; 1-23 odd, 24, 35-41 odd |
| 2/10 | **Quiz 5.1 – 5.3** |  |
| 2/12 | 5.4 Multiple-Angle Indentities | pg. 475; 1 – 47 odd |
| 2/17 | 5.5 The Law of Sines | pg. 484; 1-37 odd, 43, 45 |
| 2/19 | 5.6 The Law of Cosines | pg. 494; 1-27 odd, 35-38 all |
| 2/23 | **Quiz/Trig. Identities & Review** | pg. 497; 1-15 odd, 25-33 odd,39-63 odd |
| 2/25 | **Chapter 5 Test** |  |
| 2/27 | 6.1 Vectors in the Plane | pg. 512; 1-45 odd |
| 3/5 | 6.2 Dot Product of Vectors | pg. 519; 1-24 all, 33-37 all, 45-51 odd |
| 3/9 | 6.3 Parametric Equations and Motion | pg. 530; 1-31 odd, 37-43 odd |
| 3/11 | **Quiz 6.1 – 6.3** |  |
| 3/13 | 6.4 Polar Coordinates | pg. 539; 1-34 all, 43-51 all |
| 3/17 | 6.5 Graphs of Polar Equations | pg. 548; 1-5, 9-12, 21-24 all, 25-43 odd |
| 3/19 | 6.6 De 6.6 De Moivre’s Theorem & nth Roots | Pg pg. 559; 1-59 odd |
| 3/23 | Review | pg. 562; 1-67 odd |
| 3/25 | **Chapter 6 Test** |  |
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**Presidents Day 2/16**

**ACT 3/3 PTC 3/4**

**End of Quarter 3/26**

**Teacher work day 3/27**